(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



THE REPORT OF COMMON PARTY COMMENTS OF THE PROPERTY OF THE PRO

(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/010318 A1

(51) International Patent Classification⁷: 7/20, 41/00

E21B 7/06.

(21) International Application Number:

PCT/EP2004/051351

(22) International Filing Date: 2 July 2004 (02.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03291713.0

9 July 2003 (09.07.2003) EI

(71) Applicant (for FR only): SERVICES PETROLIERS SCHLUMBERGER [FR/FR]; 42 rue Saint Dominique, F-75007 Paris (FR).

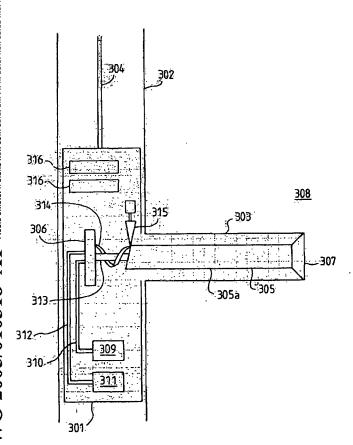
(71) Applicant (for AM, AT, AU, AZ, BY, CO, DE, DK, HR, ID, IE, IT, KG, KP, KR, KZ, MD, MX, NO, NZ, PH, PL, RO,

RU, SK, TJ, TM, ZA only): SCHLUMBERGER TECH-NOLOGY B.V. [NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).

- (71) Applicant (for AG, AL, AM, AZ, BA, BB, BE, BF, BG, BJ, BW, BY, BZ, CF, CG, CH, CI, CM, CR, CU, CY, DM, EE, ES, FI, GA, GB, GD, GE, GH, GM, GN, GQ, GR, GW, HU, IL, IS, JP, KE, KG, KZ, LC, LK, LR, LS, LU, LV, MC, MD, MG, MK, ML, MN, MR, MW, MZ, NE, NI, NL, PT, RU, SC, SD, SG, SI, SL, SN, SZ, TD, TG, TJ, TM, TZ, UA, UG, UZ, VC, YU, ZM, ZW only): SCHLUMBERGER HOLD-INGS LIMITED; PO Box 71, Craigmuir Chambers, Road Town, Tortola (VG).
- (71) Applicant (for CA only): SCHLUMBERGER CANADA LIMITED [CA/CA]; 525 - 3rd Avenue S.W., Calgary, Alberta T2P 0G4 (CA).
- (71) Applicant (for CN only): SCHLUMBERGER OVER-SEAS S.A. [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).

[Continued on next page]

(54) Title: CONSTRUCTION OF A TUBULAR AT A DOWNHOLE LOCATION



(57) Abstract: A method for constructing a lateral hole (303) departing from a main well (302) at a determined depth, the lateral hole (303) having a direction of elongation forming a determined angle with the main well (302), comprises positioning a drilling machine (301) at the determined depth in the main well (302), drilling the lateral hole (303) departing from a wall of the main well (302), in substantially the direction of elongation forming the determined angle with the main well (302), using the drilling machine (301), constructing a tubular (305) for the lateral hole (303) at a downhole location, and positioning the constructed tubular (305) into the lateral hole (303).

- (71) Applicant (for AE, OM, SD, SY, TR only): SCHLUM-BERGER OILFIELD ASSISTANCE LIMITED; Craigmuir Chambers, Road Town, Tortola (VG).
- (71) Applicant (for BR only): SCHLUMBERGER SURENCO S.A. [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).
- (71) Applicant (for TT only): SCHLUMBERGER SER-VICES LIMITED; PO Box 438, Tortola (VG).
- (71) Applicant (for EG only): SCHLUMBERGER SEACO INC. [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).
- (71) Applicant (for BF, BJ, CF, CG, CI, CM, CZ, DZ, EC, GA, GN, GQ, GW, IN, LT, MA, ML, MR, NA, NE, PG, SN, TD, TG, TN, VN only): PETROLEUM RESEARCH AND DEVELOPMENT N.V. [NL/NL]; De Ruyterkade 62, Willemstad, Curacao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ORBAN, Jacques [FR/FR]; c/o Etudes et Productions Schlumberger, 1 rue Henri Becquerel, F-92142 Clamart (FR). MONTARON, Bernard [FR/FR]; c/o Etudes et Productions Schlumberger, 1 rue Henri Becquerel, F-92142 Clamart (FR).

- (74) Agent: WEIHS, Bruno; Osha Novak & May, 121 avenue des Champs Elysées, F-75008 Paris (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.